

### Abstract

A heating system 1 has a ceramic substrate 2 having a mounting face 2a for mounting an object W, a back face 2b and a side face 2c; a heating means 3 for generating heat from the mounting face 2a of the ceramic substrate 2; and a plate-shaped supporting metal member 4 for supporting the back face 2b of the ceramic substrate 2. According to the system, the thermal deformation of the mounting face upon heating over time may be reduced and the flatness of the object may be maintained at a low value. It is further possible to impart a mechanical strength to the heater sufficient for its handling and to reduce the production cost.